

Appendix I: Alignment of SEQ ID NO: 17 (CRF, 10/20/2009) and I48378

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<!--StartFragment-->RESULT 1
I48378
hairless protein - mouse
C;Species: Mus musculus (house mouse)
C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004
C;Accession: I48378
R;Cachon-Gonzalez, M.B.; Fenner, S.; Coffin, J.M.; Moran, C.; Best, S.; Stoye, J.P.
Proc. Natl. Acad. Sci. U.S.A. 91, 7717-7721, 1994
A;Title: Structure and expression of the hairless gene of mice.
A;Reference number: I48378; MUID:94329587; PMID:8052649
A;Accession: I48378
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-1182 <RES>
A;Cross-references: UNIPROT:Q61645; UNIPARC:UPI0000028C24; EMBL:Z32675; NID:g531706; P

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Query Match          99.4%;  Score 3682;  DB 2;  Length 1182;
Best Local Similarity 99.4%;
Matches 689;  Conservative 1;  Mismatches 3;  Indels 0;  Gaps 0;

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Qy      1 VTQCQSCVQAAGEVGVLTHGSQKSRRSPLEEKQLEEDSSATSEEGGGPGPEASLNKGL 60
      |||
Db      490 VTQCQSCVQAAGEVGVLTHGSQKSRRSPLEEKQLEEDSSATSEEGGGPGPEASLNKGL 549

Qy      61 AKHLLSGLGDRLCRLLRKEREALAWAQREGQGPAMTEDSPGIPHCCSRCHGLFNTHWRC 120
      |||
Db      550 AKHLLSGLGDRLCRLLRKEREALAWAQREGQGPAMTEDSPGIPHCCSRCHGLFNTHWRC 609

Qy      121 SHCSHRLCVACGRIAGAGKNREKTGSQEQTDDCAQEAGHAACSLILTQFVSSQALAEIS 180
      |||
Db      610 SHCSHRLCVACGRIAGAGKNREKTGSQEQTDDCAQEAGHAACSLILTQFVSSQALAEIS 669

Qy      181 TVMHQAWAKFDIRGHCFQVDARVWAPDGGGQKEPTEKTPPTPQPSCNGDSNRKDIKE 240
      |||
Db      670 TVMHQVWAKFDIRGHCFQVDARVWAPDGGGQKEPTEKTPPTPQPSCNGDSNRKDIKE 729

Qy      241 ETPDSTESPAEDGAGRSPLPCPSLCELLASTAVKLCGLGHDRIHMAFAPVTPALPSDDRIT 300
      |||
Db      730 ETPDSTESPAEDGAGRSPLPCPSLCELLASTAVKLCGLGHDRIHMAFAPVTPALPSDDRIT 789

Qy      301 NILDSIIAQVVERKIQEKALGPGLRAGSGLRKGLSLPLSPVTRLSPPGALLWLQEPRPK 360
      |||
Db      790 NILDSIIAQVVERKIQEKALGPGLRAGSGLRKGLSLPLSPVTRLSPPGALLWLQEPRPK 849

Qy      361 HGFHLFQEHWRQGQPVLVSGIQKTLRLSLWGMEALGTLGGQVQSLTALGPPQPTNLDSTA 420
      |||
Db      850 HGFHLFQEHWRQGQPVLVSGIQKTLRLSLWGMEALGTLGGQVQSLTALGPPQPTNLDSTA 909

Qy      421 FWEGFSHPETRPKLDEGSVLLHRTLGDKDASRVQNLVSSLPLPEYCAHQKLNLASLYLP 480
      |||
Db      910 FWEGFSHPETRPKLDEGSVLLHRTLGDKDASRVQNLASSLPLPEYCAHQKLNLASLYLP 969

Qy      481 LGLTLHPLEPQLWAAYGVNSHRHGLGTKNLCVEVSDLISILVHAEAQLPPWYRAQKDFLS 540
      |||
Db      970 LGLTLHPLEPQLWAAYGVNSHRHGLGTKNLCVEVSDLISILVHAEAQLPPWYRAQKDFLS 1029

Qy      541 GLDGEGLWSPGSQTSTVWHVFRAQDAQRIIRRFQMVCAPAGAGTLEPGAPGSCYLDAGLRR 600
      |||
Db      1030 GLDGEGLWSPGSQTSTVWHVFRAQDAQRIIRRFQMVCAPAGAGTLEPGAPGSCYLDAGLRR 1089

Qy      601 RLREEWGVSCWTLTQAPGEAVLVPAGAPHQVQGLVSTISVTQHFLSPETSALSQAQLCHQG 660

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      |||
Db      1090 RLREEWGVSCWTLLQAPGEAVLVPAGAPHQVQGLVSTISVTQHFLSPETSALSAQLYHQG 1149
      |||
Qy      661 ASLPPDHRMLYAQMDRAVFQAVKAAVGALQEAK 693
      |||
Db      1150 ASLPPDHRMLYAQMDRAVFQAVKAAVGALQEAK 1182
<!--EndFragment-->
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